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August 11, 2010 11:08:39 AM



Page 1

Item ID:

D412-711-101

Accept

Setup Start

Revision ID:

Item Name:

Replacement Bubble Window

Start Date:

Required Date: 8/11/10

8/11/10

OC:

Start Otv: 1.00 Reg'd Oty: 1.00

Cust Item ID: Customer:

Reference:

Approvals:

Process Plan:

CZ

Date: 18(Q)11 Tooling:

Date:

Date: Date: Run

Start

Stop



Stop

Sequence ID/ Work Center ID Operation Description Set Up/ Run Hours

SPC (Y/N):

Tool ID

Tool # Plan Code

Accept Otv

Reject Oty

Reject Number

Insp. Stamp

Draw Nbr

Revision Nbr D412-711-101 Α

100

Document Control

Memo

Photocopy bluefiles and create labels for PPP D412-711-101 Change 002 0.00

110

HandThermo

HAND FINISHING THERMOFORMING

Memo

0.00

0.00

Hand Finishing Thermoforming

Set up Machine as per folio FTA 077 and D711W program

120

HandThermo

HAND FINISHING THERMOFORMING

Memo

0.00

0.00

Hand Finishing Thermoforming

Cut Blanks to 36" by 39"

W/O:		WORK ORDER CHANGES									
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
								1 Tod Wigi			
Part No	•	PAR #:	Fault Cate	egory:	NCR: Yes	No DG	A:	_ Date: _			
	Resolution: Disposition: QA: N/C Closed: _						ed: Date:				
NCR:		1	WORK ORD	ER NON-CONFORM	ANCE (NC	R)	,				
DATE	STEP	Description of NC Corrective Action			ction B		ication	Approval	Approval		
DATE	SIEF	Section A	Initial Chief Eng	Action Description Chief Eng	Sign of Date		tion C	Chief Eng	QC Inspector		
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Work Order ID 61231

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Page 2

D412-711-101 Accept Item ID: Setup Start **Revision ID:** Stop Replacement Bubble Window **Item Name:** Start Qty: 1.00 8/11/10 **Start Date: Cust Item ID:** Req'd Qty: 1.00 Required Date: 8/11/10 **Customer:** Reference: Start Run Date:_____ **Tooling:** Process Plan: Approvals: Date: Stop Date:_____ SPC (Y/N): Date: Sequence ID/ Operation **Tool ID** Tool # Plan Accept Reject Reject Insp. Set Up/ Work Center ID Number Stamp **Description** Code Qty Qty **Run Hours** 0.00 130 Y. 10/08/26. THERMOFORMING MACHINE Thermoform 0.00 Memo Thermoform as per Dwg. D412-711-101 using DT 9640 and Folio FTA Thermoforming Machine Dwg. Rev. Folio Rev. QC2- Inspect parts off machine FAI/FAIB 140 0.00 DL X1 10/08/26 0.00 Memo Quality Control 1) Check Surface finish for undesired marks, voids, dimples etc. 2) Check depth of bubble to ensure conformity to drawing tolerances. QC8- Inspect parts - second check 150 0.00

Quality Control

Memo

0.00

W/O:			WO	RK ORDER CHANGES					
DATE	STEP	PRO	OCEDURE CHAN	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
-								<u> </u>	
Part No	:	PAR #:	Fault Categ	ory: 1	ICR: Yes	No DQ	A :	_ Date: _	
	Resolution: Disposition: QA: N/C Closed:						Date: _		
NCR:		,	WORK ORDE	R NON-CONFORMAN	CE (NCR)	-		
DATE	STEP	Description of NC		Corrective Action Section E	Sign &		cation	Approval	Approval
	0.2.	Section A	Initial Chief Eng	Action Description Chief Eng	Date	Sect	tion C	Chief Eng	QC Inspector
								}	
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Work	0	1 T	n 4	122	1
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Page 3

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Item ID:

D412-711-101

Accept

Setup Start

Stop

Revision ID:

Item Name:

Replacement Bubble Window

Start Date: 8/11/10

Required Date: 8/11/10

Start Oty: 1.00

Req'd Oty: 1.00

Date:

Cust Item ID:

Customer:

Tool ID

Reference:

Approvals:

Process Plan:

Date:

Tooling:

SPC (Y/N):

Date:

Date:

Tool # Plan

Code

Run

Accept

Otv

Stop

Reject

Otv

Start



Insp.

Stamp

Reject

Number

24(XI) 10/08/26

Sequence ID/

Work Center ID

160

HandThermo

Hand Finishing Thermoforming

Operation

Description

Set Un/ Run Hours

0.00

Memo 1) Trim off excess flange material 0.00

HAND FINISHING THERMOFORMING

2) Buff out any light scratches or 3) Etch part number and batch number

170

Quality Control

QC2- Inspect parts off machine FAI/FAIB

blemishes

0.00

Memo

0.00

1) VIsually inspect for clarity, and proper formation.

180

Quality Control

OC5- Inspect part completeness to step on W/O

Memo

0.00

0.00

1) VIsually inspect for clarity, and proper formation.

W/O: 61	1231	WORK ORDER C	HANGES				
DATE	STEP	Perm. clara.	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
10/00bx	185	Pula Kit					olesto z
volos/27	³ /85	Der dange Der insput Kit to computers - Sioloslas	€O				5/08/07

Part No: D412-711-10 PAR #:	Fault Category:	NCR: Yes No DQA:	Date:
Resolution:	Disposition:	QA: N/C Closed:	Date:

NCR:	R: WORK ORDER NON-CONFORMANCE (NCR)							
-		Description of NC	Description of NC Corrective			Verification	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspecto
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Work Order ID 61231

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Page 4

Item ID:

D412-711-101

Accept

Setup Start

Stop



Revision ID:

Item Name:

Replacement Bubble Window

Start Date: 8/11/10

Required Date: 8/11/10

Start Qty: 1.00

Req'd Qty: 1.00



Cust Item ID:

Customer:

Reference:

Approvals:

QC:

Process Plan:

Date:

Date: _____

Neve

Tooling: SPC (Y/N): Date:

Tool ID

Date:

Tool # Plan

Code

Run Start

Reject

Qty

Accept

Qty



Number

Stop

Reject

Sequence ID/ **Work Center ID**

190

Packaging Packaging

Operation Description

Identify as per dwg & Stock Location:

Memo

Memo

Run Hours

0.00

Set Up/

0.00

Insp.

Stamp

200

Quality Control

QC21- Final Inspection - Work Order Release

0.00

0.00

10/08/30 H

	· ·		14/0	DIC ODDED OUT NO	<u> </u>				
W/O:			WO	RK ORDER CHANG	ES				
DATE	STEP	PRO	OCEDURE CHAN	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
	į							!	
Part No	:	PAR #:	Fault Categ	jory:	NCR: Yes	No DQA :	~	_ Date: _	
	Resolution: Disposition: QA: N/C Clo					sed:		Date:	
NCR:			WORK ORDE	R NON-CONFORMA	NCE (NCR)			
		Description of NC	Description of NC Corrective Action Section B					Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section		Chief Eng	QC inspector
								l.	
						į		 	
	1 1		1)	í		1	1

Picklist Print

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Work Order ID: 61231

Parent Item: D41

D412-711-101

Parent Item Name: Replacement Bubble Window



Start Date: 8/11/10

Required Date: 8/11/10

Page 1

Start Qty: 1.00

Required Oty: 1.00

Comments:

IPP Rev:A New Issue 06-02-01

JLM

Manufacture in-house 10/06/28 DL

IPP Rev. B.

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
MACRLICS.236		Purchased	No				sf	65.0000	16	16			

Plexiglass G .236"

Location	Loc Qty	Loc Code
therm	65	
113571	17	
115096	48	

XI JB 1908/26.

W/O:			WC	RK ORDER CHANGI	ES				
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
								.	:
					Î				
Part No	:	PAR #:	Fault Cate	gory:	NCR: Yes	No DC	 A:	Date: _	
	Resolution: Disposition: QA								
NCR:		,	WORK ORD	ER NON-CONFORMA	NCE (NC	R)			
DATE	STEP	Description of NC		Corrective Action Section B			cation		Approval
		Section A	Initial Chief Eng	Action Description Chief Eng	Sign Dat		tion C	Chief Eng	¿QC Inspector
								;	
					1				
	1				.	1			

DART AEROSPACE LTD	Work Order:	61231
Description: Schole Window.	Part Number:	D412-711-101
Inspection Dwg: 7/2-10 (Rev: A		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

THERMOFORMING SECTION

Description	Accept	Reject	Method of Inspection	Comments
Inside Radii less than"	V_{\perp}			
Shape Definition				
Texture Retention				
Material imperfections such as bumps, cracks, voids, scratching				
Measured by:]		Date:	10/08/26

TRIMMING SECTION

		1171111111111	0	, , , , , , , , , , , , , , , , , , , 		
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
1.5"	Min	1,875"	~			
32"	REF	32,754				
31"	REF	31 "	-			
0.090"	0.098-11	0,098"	V			
0.070 1	Mis. 270	0,097"	~			
0,070 11	Hin	0,079"				
						······
Measured	by: 19	<i>v.</i>			Date:	10/88/26
Audited	by:				Date:	10/08/27,
eliminary Approx					Date:	<u> </u>

Audited by:			Date: 10 08/87,			
Preliminary Approval:		roval:	Date:			
Rev	Date	Change	Revised by	Approved		
В	10.04.14	Added preliminary approval	KJ	<u></u>		

